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I claim:

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1.	An	agent	compr	181	na

a light chain component comprising a light chain or a fragment thereof of a botulimum toxin, a butyricum toxin, a tetani toxin or variants thereof,

a translocation component comprising a heavy chain or a modified heavy chain of a botulimum toxin, a butyricum toxin, a tetani toxin or variants thereof, and

a targeting component which selectively binds to a GnRH receptor.

- 2. The agent according to claim 1 wherein the light chain component decreases the release of a hormone from a cell.
- 3. The agent according to claim 1 wherein the light chain component comprises a light chain or a fragment thereof of a *botulinum* toxin type A, B, C_{1} , D, E, F, G or variants thereof.
- 4. The agent according to claim 1 wherein the light chain component comprises a light chain of a botulinum toxin type A.

5. The agent according to claim 1 wherein the translocation component facilitates the transfer of at least the light chain component into the cytoplasm of a cell.

6. The agent according to claim 1 wherein the translocation component comprises a heavy chain or a modified heavy chain of a botulinum toxin type A, B, $C_{1,}$ D, E, F, G or variants thereof.

7. The agent according to claim 1

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wherein the translocation component comprises a heavy chain or a modified heavy chain of a *botulinum* toxin type A.

- 5 8. The agent according to claim 1 wherein the modified heavy chain comprises at least an amino terminal fragment of a heavy chain.
- 9. The agent according to claim 1 wherein the 10 targeting component comprises an amino acid component.
 - 10. The agent according to claim 9 wherein the amino acid component comprises a variable region of an antibody which will selectively bind a GnRH receptor.
 - 11. The agent according to claim 9 wherein the amino acid component comprises a peptide.
- 12. The agent according to claim 11 wherein the 20 peptide comprises the sequence:

pyroGlu-His-Trp-Ser-Tyr-X-Leu-Arg-Pro-Z

wherein X is an amino acid selected from the group consisting of glycine, lysine, D-lysine, ornithine, D-ornithine, glutamic acid, D-glutamic acid, aspartic acid, D-aspartic acid, cysteine, D-cysteine, tyrosine and D-tyrosine; and Z is a substituent selected from the group consisting of Gly-NH₂, ethylamide, and Aza-Gly-NH₂.

- 13. The agent according to claim 12 wherein X is D-Lys and Z is ethylamide.
- 14. The agent according to claim 11 wherein the 35 peptide comprises at least 5 consecutive amino acids of an amino acid sequence:

pyroGlu-His-Trp-Ser-Tyr-X-Leu-Arg-Pro-Z

wherein X is an amino acid selected from the group consisting of glycine, lysine, D-lysine, ornithine, D-ornithine, glutamic acid, D-glutamic acid, aspartic acid, D-aspartic acid, cysteine, D-cysteine, tyrosine and D-tyrosine; and Z is a substituent selected from the group consisting of Gly-NH₂, ethylamide, and Aza-Gly-NH₂.

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- 15. The agent according to claim 14 wherein the peptide comprises at least 6 consecutive amino acids of the amino acid sequence.
- 16. The agent according to claim 14 wherein the peptide comprises at least 7 consecutive amino acids of the amino acid sequence.
- 17. The agent according to claim 14 comprising at 20 least 8 consecutive amino acids of the amino acid sequence.
- 18. The agent according to claim 1 wherein the light chain component, the translocation component and the targeting component are attached to each other by a linker.
- 19. The agent according to claim 12 wherein the light chain component is a light chain of a botulinum toxin type A, the translocation component is an amino terminal fragment of a heavy chain of a botulinum toxin type A which can facilitate the translocation of at least the light chain into a cytoplasm of a cell, and the targeting component is: PyroGlu-His-Trp-Ser-Tyr-D-Lys-
- 35 Leu-Arg-Pro-ethylamide.

20. The agent according to claim 1 attached to a facilitator component, the facilitator component is effective to facilitate transferring the agent across a blood brain barrier.

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- 21. The agent according to claim 1 useful for treating a gonadotrophin related illness in a mammal, including a human.
- 22. A method for treating a gonadotrophin related illness in a mammal, said method comprises the step of administering to the mammal a therapeutically effective amount of an agent, the agent comprises:
 - a light chain component comprising a light chain, or a fragment thereof, of a botulimum toxin, a butyricum toxin, a tetani toxin or variants thereof,
 - a translocation component comprising a heavy chain, or a modified heavy chain, of a botulimum toxin, a butyricum toxin, a tetani toxin or variants thereof and
 - a targeting component, wherein the targeting component selectively binds to a GnRH receptor.
- 23. The method according to claim 22 wherein the gonadotrophin related illness is selected from the group consisting of breast cancer, prostate cancer, pancreatic cancer, endometriosis, endometrial cancer, and precocious puberty.
- 24. A method for treating prococious puberty in a human, said method comprises the step of administering to the mammal a therapeutically effective amount of an agent, the agent comprises:
 - a light chain component comprising a light chain or a fragment thereof of a botulimum toxin, a butyricum toxin, a tetani toxin or variants thereof,
 - a translocation component comprising a

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heavy chain or a modified heavy chain of a botulimum toxin, a butyricum toxin, a tetani toxin or variants thereof and

- a targeting component, wherein the targeting component selectively binds to a GnRH receptor.
 - 25. A method for treating endometriosis in a human, said method comprises:
- a light chain component comprising a light chain, or a fragment thereof, of a botulimum toxin, a butyricum toxin, a tetani toxin or variants thereof,
 - a translocation component comprising a heavy chain, or a modified heavy chain, of a botulimum toxin, a butyricum toxin, a tetani toxin or variants thereof and
 - a targeting component, wherein the targeting component selectively binds to a GnRH receptor.